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AMENDMENT TO THE CLAIMS

1. (Currently Amended) A flexible suspension circuit comprising:
a flexible insulated base;
a plurality of transducer leads printed on the flexible
insulated base to; and
a flexure element formed of a shape memory material on the
flexible insulated base to provide a flexure force.
2. (Original) The flexible suspension circuit of claim 1 and
further comprising flexure leads fabricated on the flexible
insulated base and conductivity coupled to the flexure element to
supply a voltage potential across opposed ends of the flexure
element.
3. (Canceled)
4. (Original) The flexible suspension circuit of claim 1 wherein
the flexible insulated base is formed of a polyimide material.
5. (Original) The flexible suspension circuit of claim 1
including a plurality of flexure elements formed of a shape
memory material at spaced positions on the flexible insulated
base.
6. (Previously Presented) A head suspension assembly comprising:
a suspension portion including a bending portion between a
proximal end and a distal end of the suspension portion
and the bending portion having a reduced flexure
strength; and
a flexure element formed of a shape memory alloy material
having an elongated length extending across the bending

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portion with a first end of the flexure element coupled to the suspension portion proximal of the bending portion and a second end of the flexure element coupled to the suspension portion distal of the bending portion.

7. (Previously Presented) The head suspension assembly of claim 6 wherein the suspension portion supplies a static preload force to a head and the flexure element is energized to release the static preload force for operation.

8. (Previously Presented) The head suspension assembly of claim 6 wherein the flexure element is energized to provide in-situs adjustment of one of fly height of a head or the head suspension assembly or preload force to the head.

9. (Previously Presented) The head suspension assembly of claim 6 wherein the flexure element is printed on a flexible suspension circuit comprising a flexible insulated base having transducer leads printed on the flexible insulated base to electrically interface transducer elements of a head of the head suspension assembly to drive circuitry.

10. (Previously Presented) The head suspension assembly of claim 6 assembled in a disc drive and the disc drive includes a "spin-up" control mode and a "read/write" control mode wherein in the "spin-up" control mode, the flexure element is energized to release a static preload force to reduce stiction during "spin-up".

11. (Previously Presented) The head suspension assembly of claim 10 wherein the flexure element is energized to adjust the preload

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force to a head or fly height of the head or the head suspension assembly in the read/write control mode.

12. (Previously Presented) The suspension assembly of claim 6 including a plurality of flexure elements formed of the shape memory material having opposed first and second ends coupled to the suspension portion proximal and distal of the bending portion.

13. (Previously Presented) The head suspension of claim 6 wherein the suspension portion includes multiple spaced bending portions having reduced flexure strength and at least one of the multiple spaced bending portions includes the flexure element formed of the shape memory alloy material extending thereacross.

14. (Previously Presented) The head suspension of claim 13 including a plurality of flexure elements formed of the shape memory alloy material including a first shape memory flexure element coupled to one of the multiple spaced bending portions and a second shape memory flexure element coupled to another of the multiple spaced bending portions.

15. (Currently Amended) An assembly comprising:

a head suspension including a suspension portion including a proximal end and a distal end and the suspension portion including a proximal bending region having a reduced bending flexure and the head suspension including a head portion carried proximate to the distal end of the suspension portion; and

a fly height controller including a flexure element formed of a shape memory alloy energizable to adjust flexure of the proximal bending region of the suspension

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portion to adjust a fly height of ~~a-the head portion of~~ |
the head suspension.

16. (Currently Amended) The assembly of claim ~~2215~~ wherein the |
suspension portion includes a plurality of bending portions
including a first bending portion and a second bending portion
and the flexure element extends across the first bending portion
or the second bending portion.

17. (Currently Amended) The assembly of claim ~~2215~~ wherein the |
suspension portion includes a plurality of bending portions
including a first bending portion and a second bending portion
distally spaced from the first bending portion and the flexure
element extends across the second bending portion.

18. (Currently Amended) The assembly of claim ~~2215~~ wherein the |
suspension portion includes a plurality of bending portions
including a first bending portion proximally spaced from a second
bending portion and the flexure element extends across the first
bending portion.

19. (Canceled)

20. (Canceled)

21. (Previously Presented) The head suspension assembly of claim |
6 wherein the bending portion includes a proximal end and a
distal end and the bending portion having a flexure strength
increase from the distal end of the bending portion to a distal
portion of the suspension portion.

22. (Currently Amended) The assembly of claim 15 wherein ~~the~~ |
~~suspension portion includes a bending portion having a reduced~~

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~~bending flexure between a proximal end and a distal end of the suspension portion and the flexure element includes a first end coupled to the suspension portion proximal of the bending portion and a second end coupled to the suspension portion distal of the extends along the proximal bending portion region.~~

23. (Currently Amended) A method comprising a steps of:
energizing a shape memory alloy flexure element to adjust
flexure of a proximal bending region of a head
suspension having a head or slider carried proximate to
a distal end of the head suspension to adjust one of a
fly height of ~~at~~ the head or slider relative to a disc
surface or preload force.

24. (Previously Presented) The method of claim 23 and comprising
the step of:

energizing the shape memory alloy flexure element to reduce
a pre-load force for contact starts and stops.

25. (Previously Presented) The method of claim 23 wherein the
shape memory alloy is energized to adjust or control fly height
of the head or slider.